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Water-Data Report 2007

**08385522 PECOS RIVER BELOW TAIBAN CREEK NEAR FORT SUMNER, NM**

Upper Pecos Basin  
Upper Pecos Subbasin

LOCATION.--Lat 34°19'56", long 104°10'52" referenced to North American Datum of 1983, in NW ¼ N ¼ E ¼ sec.11, T.1 N., R.26 E., De Baca County, NM, Hydrologic Unit 13060003, on left bank 0.6 mi downstream from Taiban Creek, 11.0 mi southeast of Fort Sumner, and at mile 665.7.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--August 1992 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 3,910 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for flows greater than 1,000 cfs and for those estimated, which are poor. Flow partly regulated by Sumner Dam (station 08384000), 23 mi upstream. Diversion for irrigation of about 19,100 acres (1959 determination) upstream from station. Discharge in general represents return flow from irrigated areas in Fort Sumner Irrigation Project.

**08385522 PECOS RIVER BELOW TAIBAN CREEK NEAR FORT SUMNER, NM—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	56	50	30	38	38	1,210	49	41	50	50	42	1,010
<b>2</b>	57	44	30	37	37	1,220	45	44	47	71	43	1,050
<b>3</b>	59	39	28	37	37	1,220	45	46	46	845	47	1,080
<b>4</b>	53	37	30	38	37	1,220	42	39	51	1,060	44	1,080
<b>5</b>	49	36	30	38	37	1,180	42	35	47	1,100	42	1,090
<b>6</b>	49	35	31	37	36	601	42	37	46	1,110	42	1,110
<b>7</b>	48	34	30	37	36	138	50	38	43	1,120	42	601
<b>8</b>	50	34	30	37	36	100	62	38	45	1,140	40	146
<b>9</b>	51	e32	30	37	36	78	85	40	47	1,150	43	178
<b>10</b>	60	e30	30	37	36	69	88	35	47	361	57	93
<b>11</b>	58	e28	30	37	36	62	81	37	47	136	44	86
<b>12</b>	61	e26	30	37	36	60	55	41	48	153	42	76
<b>13</b>	67	e24	30	37	35	57	58	40	48	80	46	64
<b>14</b>	77	e22	30	37	36	53	56	44	48	69	45	57
<b>15</b>	77	19	31	36	37	51	47	44	52	60	42	54
<b>16</b>	69	19	32	35	37	50	45	47	52	56	33	58
<b>17</b>	63	19	33	39	36	46	43	46	49	59	32	55
<b>18</b>	72	19	33	38	36	46	43	52	49	54	32	52
<b>19</b>	78	19	33	38	36	42	40	50	51	54	44	48
<b>20</b>	72	20	34	40	36	38	39	50	52	53	38	49
<b>21</b>	66	28	35	38	35	37	41	35	51	48	40	53
<b>22</b>	70	30	35	39	35	38	39	28	50	47	42	44
<b>23</b>	66	30	35	37	35	112	41	26	107	45	91	40
<b>24</b>	50	30	35	37	35	175	41	31	51	46	135	45
<b>25</b>	50	31	35	37	35	e51	40	41	51	51	122	46
<b>26</b>	47	31	35	37	77	e42	38	44	50	46	95	49
<b>27</b>	51	32	36	37	1,040	e36	39	44	43	46	74	49
<b>28</b>	53	32	35	37	1,180	35	36	49	55	47	58	46
<b>29</b>	49	30	37	37	---	39	37	53	47	45	49	48
<b>30</b>	51	30	40	37	---	43	37	55	48	47	76	42
<b>31</b>	45	---	38	37	---	48	---	50	---	43	819	---
<b>Total</b>	1,824	890	1,011	1,157	3,199	8,197	1,446	1,300	1,518	9,292	2,441	8,499
<b>Mean</b>	58.8	29.7	32.6	37.3	114	264	48.2	41.9	50.6	300	78.7	283
<b>Max</b>	78	50	40	40	1,180	1,220	88	55	107	1,150	819	1,110
<b>Min</b>	45	19	28	35	35	35	36	26	43	43	32	40
<b>Ac-ft</b>	3,620	1,770	2,010	2,290	6,350	16,260	2,870	2,580	3,010	18,430	4,840	16,860

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2007, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	157	80.6	38.5	33.9	105	176	80.5	204	345	219	249	181
<b>Max</b>	370	388	112	62.6	356	457	497	655	971	680	884	582
(WY)	(1994)	(2006)	(2006)	(1996)	(2006)	(1998)	(1993)	(2001)	(1995)	(1993)	(1994)	(1998)
<b>Min</b>	53.4	24.5	18.7	14.7	15.1	26.9	26.8	17.3	21.2	31.2	23.1	27.0
(WY)	(2002)	(1997)	(1997)	(1997)	(1993)	(2005)	(2003)	(2002)	(2002)	(2002)	(2002)	(2003)

**08385522 PECOS RIVER BELOW TAIBAN CREEK NEAR FORT SUMNER, NM—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2006</b>	<b>Water Year 2007</b>		<b>Water Years 1992 - 2007</b>	
<b>Annual total</b>	41,102		40,774		
<b>Annual mean</b>	113		112		156
<b>Highest annual mean</b>				253	1995
<b>Lowest annual mean</b>				68.5	2003
<b>Highest daily mean</b>	1,170	Feb 28	1,220	Mar 2	2,300
<b>Lowest daily mean</b>	19	Nov 15	19	Nov 15	8.2
<b>Annual seven-day minimum</b>	20	Nov 14	20	Nov 14	9.7
<b>Maximum peak flow</b>			1,240	Mar 3	6,500
<b>Maximum peak stage</b>			5.46	Mar 3	9.45
<b>Instantaneous low flow</b>			19	Nov 16	<sup>a</sup> 6.9
<b>Annual runoff (ac-ft)</b>	81,530		80,880		112,700
<b>10 percent exceeds</b>	106		94		423
<b>50 percent exceeds</b>	43		44		47
<b>90 percent exceeds</b>	29		31		22

<sup>a</sup> Estimated.

